

Appl. No. 10/729,161
Amdt. dated April 7, 2005

Amendments to the Specification:

Please replace paragraph [0020] with the following amended paragraph:

[0020] Now referring to Figure 2, one embodiment of the present invention is illustrated comprising a flow tube 108, two toroidal coils 120, 124 connected to the housing 102, and two ferrous rods 122, 126 connected to the flow tube 108. The coils 120, 124 may also incorporate a ferrous core to form a more effective electromagnet. One coil 120 is connected by electrical leads 128 to a transmitter (not shown). Application of an alternating current to the coil 120 exerts an electromagnetic force on the rod 122, which causes the rod 122 to translate linearly, therefore imparting a vibration on the tube 108. The other coil 124 is connected by leads 130 to a receiver (not shown). The vibration in the tube 108 moves the rod 126 within the coil 124, therefore creating a voltage to generate at the leads 130 that is monitored by the receiver.